

Patent Abstracts of Japan

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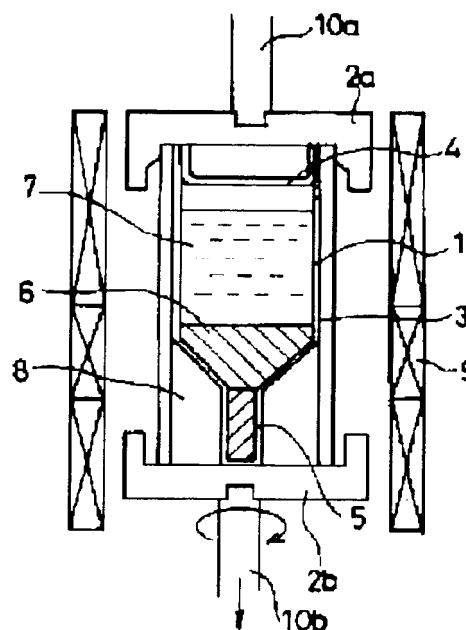
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APPLICANT : HITACHI CABLE LTD;

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TITLE : GROWTH OF SINGLE CRYSTAL AND
DEVICE THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method for growing a single crystal without deforming a quartz glass growth vessel at a high temperature during the growth and without breaking the vessel also at a cooling time after the growth, and to provide a device therefor.

SOLUTION: A radially outward force given from a quartz glass growth vessel 1 to a cylindrical ceramic-made support 3 due to a thermal contraction rate difference between the cylindrical ceramic-made support 3 and the quartz glass growth vessel 1 at a cooling time after the solidification of the crystal is released by upward lifting an upper ceramic-made press support 2a having a level-different portion and fixing the upper portion of the cylindrical ceramic-made support 3, fixing the cylindrical ceramic-made support 3 with the different level portion of the ceramic-made press support 2a and relaxing the press force in the radial direction.

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